PATENT COOPERATION TREATY

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From the INTERNATIONAL SEARCHING AUTHORITY

To: RICHARD T. ROCHE	PCT			
QUARLES & BRADY LLP 411 E. WISCONSIN AVENUE MILWAUKEE, WI 53202	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION			
,	(PCT Rule 44.1)			
	Date of mailing (day/month/year) 10 MAY 2005			
Applicant's or agent's file reference 630666.00010	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US04/27926	International filing date (day/month/year) 27 August 2004 (27.08.2004)			
Applicant MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH				
1. The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.				
Filing of amendments and statement under Article 19 The applicant is entitled, if he so wishes, to amend the cl				
When? The time limit for filing such amendments is normally two months from the date of transmittal of the international search report.				
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35				
For more detailed instructions, see the notes on the accompanying sheet.				
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:				
the protest together with the decision thereon has be request to forward the texts of both the protest and	een transmitted to the International Bureau together with the applicant's the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the ap	opplicant will be notified as soon as a decision is made.			
4. Reminders Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months. See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's				
Guide, Volume II, National Chapters and the WIPO Internet site				
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450	Authorized officer Irina S. Zemel			
Alexandria, Virginia 22313-1450	Telephone No. 571-272-05/77			

Facsimile No. (703) 305-3230 Form PCT/ISA/220 (January 2004)

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 630666.00010	FOR FURTHER ACTION as	see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US04/27926	International filing date (day/mont 27 August 2004 (27.08.2004)	h/year) (Earliest) Priori 29 August 2003	ty Date (day/month/year) (29.08.2003)
Applicant MAYO FOUNDATION FOR MEDICAL EDUCATION AND RESEARCH			
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau. This international search report consists of a total of			
5. With regard to the abstract, the text is approved as subm the text has been established may, within one month from	nitted by the applicant. I, according to Rule 38.2(b), by this internation the date of mailing of this internation.	Authority as it appears in B ional search report, submit c	ox No. IV. The applicant comments to this Authority.
as suggested by the as selected by this as selected by this	published with the abstract is Figure applicant. Authority, because the applicant fai Authority, because this figure better published with the abstract.	ed to suggest a figure.	

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US04/27926

A. CLAS IPC(7)	SSIFICATION OF SUBJECT MATTER : C08J 9/00: C08K 5/00	-	
US CL	: 521/61, 102, 130, 149		
	International Patent Classification (IPC) or to both na	tional classification and IPC	
	DS SEARCHED		
Minimum do	cumentation searched (classification system followed b	av classification symbols)	
	21/61, 102, 130, 149	y classification symbols,	
0.3 3.	21701, 102, 130, 149		
Documentation	on searched other than minimum documentation to the	extent that such documents are included in	n the fields searched
Electronic da	ta base consulted during the international search (name	e of data base and, where practicable, sear	rch terms used)
EAST (USPA	AT, Pre-grant Pub, EPO, JPAT, Derwent). Keywords	s: hydrogel, porogen, biodegradable, scaff	old.
	UMENTS CONSIDERED TO BE RELEVANT		<u> </u>
Category *	Citation of document, with indication, where a		Relevant to claim No.
X	US 6,271,278 B1 (PARK et al) 7 August 2001, entir	e document, especially columns 6-11	1-28
Α	US 6,395,300 B1 (STRAUB et al) 28 MAY 2002, 6	entire document	1-28
Further	documents are listed in the continuation of Box C.	See patent family annex.	
	pecial categories of cited documents:	"T" later document published after the inte	rnational filing date or priority
	•	date and not in conflict with the applic	cation but cited to understand the
	defining the general state of the art which is not considered to be lar relevance	principle or theory underlying the inve	ention
or particu	iai ielevance	"X" document of particular relevance; the	claimed invention cannot be
"E" earlier ap	plication or patent published on or after the international filing date	considered novel or cannot be conside when the document is taken alone	red to involve an inventive step
"L" document	which may throw doubts on priority claim(s) or which is cited to	when the document is taken alone	
establish t	the publication date of another citation or other special reason (as	"Y" document of particular relevance; the	
specified)		considered to involve an inventive step	
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such being obvious to a person skilled in th	
			+
	published prior to the international filing date but later than the	"&" document member of the same patent	tamily
priority date claimed			
Date of the actual completion of the international search Date of mailing of the international search report			
01 April 2005 (01.04.2005)			
Name and mailing address of the ISA/US Authorized officer			
	1 Stop PCT, Attn: ISA/US	114/1	1111
	nmissioner for Patents	Irina S. Zemel	1000
	. Box 1450	Telephone No. 571-272-0577	
	kandria, Virginia 22313-1450	10.0phone 110. 371 272 0377	
racsimile No	(703) 305-3230		

Form PCT/ISA/210 (second sheet) (January 2004)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCH	ING AUTH	ORITY			
To: RICHARD T. ROCHE QUARLES & BRADY LLP 411 E. WISCONSIN AVENUE MILWAUKEE, WI 53202		PCT -			
		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
				(PCT Rule 43bis.1)	
			Date of mailing (day/month/year) 10 MAY 2005		
Applicant's or agent's file ref	ference		FOR FURTHER	ACTION See paragraph 2 below	
630666.00010		T			
International application No.		International filing date	(aay/monin/year)	Priority date (day/month/year)	
PCT/US04/27926 International Patent Classification	ntion (IDC)	27 August 2004 (27.08.		29 August 2003 (29.08.2003)	
IPC(7): C08J 9/00; C08K 5/0	00 and US (Cl.: 521/61, 102, 130, 149	9		
MAYO FOUNDATION FOI	R MEDICA	L EDUCATION AND R	ESEARCH		
1. This opinion contains inc	dications rel	ating to the following iten	ns:		
Box No. I	Basis of the	opinion			
Box No. II					
Box No. III	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			entive step and industrial applicability	
Box No. IV	Box No. IV Lack of unity of invention				
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI	Box No. VI Certain documents cited				
Box No. VII	Certain def	ects in the international ap	iternational application		
Box No. VIII	Certain obs	servations on the internation	onal application		
2. FURTHER ACTION	I				
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see	Form PCT/	ISA/220.			
3. For further details, see n	otes to For	m PCT/ISA/220.			
Name and mailing address of	the ISA/ U	IS	Authorized office		
Mail Stop PCT, Attn: ISA/US Commissioner for Patents			Irina S. Zemel	Curf Vdll	
P.O. Box 1450 Alexandria, Virginia 22313-1450 Telephone No. 571-272-0577			71-272-0517		

Alexandria, Virginia 22313-1450
Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.				
PCT/US04/27926				

Box No. I B	asis of this opinion
1. With regard	to the language, this opinion has been established on the basis of the international application in the language in which
This o	unless otherwise indicated under this item. pinion has been established on the basis of a translation from the original language into the following language, is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard	to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the ntion, this opinion has been established on the basis of:
a. type o	of material
	a sequence listing
	table(s) related to the sequence listing
b. forma	it of material
	in written format
	in computer readable form
c. time	of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
filed	dition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been or furnished, the required statements that the information in the subsequent or additional copies is identical to that in oplication as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional c	omments:

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/27926

NO

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement			
Novelty (N)	Claims	NONE	YES
	Claims	1-28	NO
Inventive step (IS)	Claims	NONE	YES
	Claims	1-28	NO
Industrial applicability (IA)	Claims	1-28	YES

Claims NONE

2. Citations and explanations:

Claims 1-28 novelty under PCT Article 33(2) as being anticipated by US Patent 6,271,278 to Park et al.

Park discloses compositions for making porous scaffolds comprising biodegradable unsaturated polymer, crosslinking agents and a bidegradable porogens. Among suitable porogens, hydrogel micropartcles based on crosslinked collagen derivatives, crosslinked polyethylene glycols and many other suitable microgels are expressly disclosed in column 6, lines 52 to column 7, line 5. The biodegradable polymers disclosed in the reference include methacrylates and fumarates. See column 6, lines 24-43. The disclosed compositions can further include water and various bioactive agents. The invention is useful for various application such as long term drug delivery and can be placed in human or animal body. The invention as claimed, therefore, is anticipated by the Park reference.

Claims 1-28 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/ISA/237 (Box No. V) (January 2004)